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OM protein - protein search, using sw model

Run on: September 27, 2001, 16:41:50 ; Search time 21.67 Seconds
(without alignments)
309.758 Million cell updates/sec

Title: US-09-483-543A-9
Perfect score: 1733
Sequence: 1 KRGCAGNFDSEERSRWYGR.....SGCGXGLEVLFQGPVRKKGX 326

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
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6: /cgn2_6/ptodata/2/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1129	65.1	256	1 US-07-906-349A-8	Sequence 8, Appli
2	1129	65.1	256	1 US-08-167-035-4	Sequence 4, Appli
3	1129	65.1	256	1 US-08-208-887A-4	Sequence 4, Appli
4	1129	65.1	256	2 US-08-539-005-4	Sequence 4, Appli
5	807.5	46.6	236	1 US-08-167-035-39	Sequence 39, Appli
6	807.5	46.6	236	1 US-08-208-887A-39	Sequence 39, Appli
7	807.5	46.6	236	2 US-08-539-005-39	Sequence 39, Appli
8	387.5	22.4	107	1 US-08-167-035-25	Sequence 25, Appli
9	387.5	22.4	107	1 US-08-208-887A-25	Sequence 25, Appli
10	387.5	22.4	107	2 US-08-479-078-24	Sequence 24, Appli
11	387.5	22.4	107	2 US-08-539-005-25	Sequence 25, Appli
12	348.5	20.1	89	1 US-08-446-038B-23	Sequence 23, Appli
13	348.5	20.1	89	1 US-08-446-010B-23	Sequence 23, Appli
14	348.5	20.1	89	2 US-08-805-445-23	Sequence 23, Appli
15	348.5	20.1	89	2 US-08-064-067D-23	Sequence 23, Appli
16	348.5	20.1	89	2 US-09-066-208-23	Sequence 23, Appli
17	266	15.3	55	1 US-08-167-035-31	Sequence 31, Appli
18	266	15.3	55	1 US-08-208-887A-31	Sequence 31, Appli
19	266	15.3	55	2 US-08-539-005-31	Sequence 31, Appli
20	257	14.8	50	2 US-08-459-568-57	Sequence 57, Appli
21	257	14.8	50	3 US-08-399-411-57	Sequence 57, Appli
22	230.5	13.3	801	1 US-07-906-349A-6	Sequence 6, Appli
23	230.5	13.3	801	1 US-08-167-035-6	Sequence 6, Appli
24	224	12.9	217	1 US-08-208-887A-6	Sequence 6, Appli
25	224	12.9	217	1 US-08-539-005-6	Sequence 6, Appli
26	224	12.9	217	2 US-08-815-176-3	Sequence 3, Appli

28	224	12.9	217	2	US-08-815-176-4	Sequence 4, Appli
29	224	12.9	217	4	US-08-664-962B-6	Sequence 6, Appli
30	224	12.9	217	4	US-09-311-743-6	Sequence 6, Appli
31	210	12.1	183	1	US-08-167-035-33	Sequence 33, Appli
32	210	12.1	183	1	US-08-208-887A-33	Sequence 33, Appli
33	210	12.1	183	2	US-08-539-005-33	Sequence 33, Appli
34	202	11.7	228	1	US-08-167-035-47	Sequence 47, Appli
35	202	11.7	228	1	US-08-208-887A-47	Sequence 47, Appli
36	202	11.7	228	2	US-08-539-005-47	Sequence 47, Appli
37	177	10.2	1290	1	US-08-138-641-2	Sequence 2, Appli
38	177	10.2	1290	1	US-08-138-133-2	Sequence 2, Appli
39	177	10.2	1290	1	US-07-646-537B-2	Sequence 2, Appli
40	167	9.6	844	1	US-08-815-176-1	Sequence 1, Appli
41	151.5	8.7	330	2	US-08-475-894-4	Sequence 4, Appli
42	149	8.6	464	1	US-08-484-710-4	Sequence 4, Appli
43	149	8.6	464	2	US-08-484-709-4	Sequence 4, Appli
44	149	8.6	464	2	US-08-474-697-4	Sequence 4, Appli
45	149	8.6	464	4	US-08-474-697-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-07-906-349A-8
Sequence 8, Application US/07906349A
Patent No. 5434064
GENERAL INFORMATION:
APPLICANT: Schlessinger, Joseph
APPLICANT: Skolnik, Edward Y.
APPLICANT: Margolis, Benjamin L.
TITLE OF INVENTION: A NOVEL EXPRESSION-CLONING METHOD FOR
IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE KINASES
TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE KINASES
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Broadway and Neimark
STREET: 419 Seventh Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/906,349A
FILING DATE: 30-JUN-1992.
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/643,237
FILING DATE: 18-JAN-1991
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 256 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-906-349A-8

Query Match 65.1%; Score 1129; DB 1; Length 256;
Best Local Similarity 98.2%; Pred. No. 4.8e-93;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
OY 5 AGNFDSEERSRWYGRSROEAVALLGGRHGVFLVDSSTPGDYLVSENSRYSHYI 64
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Db 33 AGNFDSEERSWYGRSLRQEAVALLOGORDGVFLVRDSTSPGQYVLSVSENSRVSHYI 92
QY 65 INSSGPRPPVPSPAPPGVPSRLRIGDQDFDPLALLEFYKIHLDLDTTLLIEPVARS 124
Db 93 INSSGPRPPVPSPAPPGVPSRLRIGDQDFDPLALLEFYKIHLDLDTTLLIEPVARS 152
QY 125 RQSGVILRQEAQYVRLDFNGNDEEDLPFKKGDILIRIDKPEQWMAEDSEGRKM 184
Db 153 RQSGVILRQEAQYVRLDFNGNDEEDLPFKKGDILIRIDKPEQWMAEDSEGRKM 212
QY 185 IPVPYVEKTRPASASVSALIGNQGSHPOPLGGRSLGP 223
Db 213 IPVPYVEKTRPASASVSALIGNQGSHPOPLGGRSLGP 251

RESULT 2
US-08-167-035-4
Sequence 4, Application US/08167035
Patent No. 5618691
GENERAL INFORMATION:
APPLICANT: Schlessinger, Joseph
APPLICANT: Margolis, Benjamin L.
TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
NUMBER OF INVENTIONS: KINASES AND NOVEL TARGET PROTEINS
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: 10036-2711
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/167,035
FILING DATE: 16-DEC-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-062
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEFAX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 256 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-167-035-4

Query Match 65.1%; Score 1129; DB 1; Length 256;
Best Local Similarity 98.2%; Pred. No. 4.8e-93;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Db 153 RQSGVILRQEAQYVRLDFNGNDEEDLPFKKGDILIRIDKPEQWMAEDSEGRKM 212
QY 185 IPVPYVEKTRPASASVSALIGNQGSHPOPLGGRSLGP 223
Db 213 IPVPYVEKTRPASASVSALIGNQGSHPOPLGGRSLGP 251

RESULT 3
US-08-208-887A-4
Sequence 4, Application US/0820887A
Patent No. 5677421
GENERAL INFORMATION:
APPLICANT: Schlessinger, Joseph
APPLICANT: Margolis, Benjamin L.
TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
NUMBER OF INVENTIONS: KINASES AND NOVEL TARGET PROTEINS
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: 10036-2711
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/208,887A
FILING DATE: 11-MAR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-063
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEFAX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 256 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-208-887A-4

Query Match 65.1%; Score 1129; DB 1; Length 256;
Best Local Similarity 98.2%; Pred. No. 4.8e-93;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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RESULT 4
US-08-539-005-4
; Sequence 4, Application US/08539005
; Patent No. 5858686
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/539,005
; FILING DATE: 4-OCT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-539-005-4

Query Match          65.1%; Score 1129; DB 2; Length 256;
Best Local Similarity 98.2%; Pred. No. 4.8e-93;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 5 AGNFDSEERSWTWGRSLRQEAVALLOGRHGFLVLDSDSTSPGDYVLSVSENSRVSHYI 64
    |||||||
DB 33 AGNFDSEERSWTWGRSLRQEAVALLOGRHGFLVLDSDSTSPGDYVLSVSENSRVSHYI 92
    |||||||
QY 65 INSSGPRPPVPPSPAPQPPGVSPLRLIGDQFDSLPALEFFYKIHVLDTTTLEPVAR 124
    |||||||
DB 93 INSSGPRPPVPPSPAPQPPGVSPLRLIGDQFDSLPALEFFYKIHVLDTTTLEPVAR 152
    |||||||
QY 125 RQSGSVILRQEAEEYVALDFPENGDEEDLPFKKDIILIRIDKPEQWMAEDSEGRGM 184
    |||||||
DB 153 RQSGSVILRQEAEEYVALDFPENGDEEDLPFKKDIILIRIDKPEQWMAEDSEGRGM 212
    |||||||
QY 185 ITPVYVEKYRPASASVSLIGNDEGSHPOPLGCPPEGP 223
    |||||||
DB 213 ITPVYVEKYRPASASVSLIGNDEGSHPOPLGGRSLGP 251

RESULT 5
US-08-167-035-39
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; Sequence 39, Application US/08167035
; Patent No. 5618691
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 236 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-167-035-39

Query Match          46.6%; Score 807.5; DB 1; Length 236;
Best Local Similarity 76.4%; Pred. No. 1.8e-64;
Matches 155; Conservative 17; Mismatches 30; Indels 1; Gaps 1;

QY 5 AGNFDSEERSWTWGRSLRQEAVALLOGRHGFLVLDSDSTSPGDYVLSVSENSRVSHYI 64
    |||||||
DB 33 AGNFDSEERSWTWGRSLRQEAVALLOGRHGFLVLDSDSTSPGDYVLSVSENSRVSHYI 92
    |||||||
QY 65 INSSGPRPPVPPSPAPQPPGVSPLRLIGDQFDSLPALEFFYKIHVLDTTTLEPVAR 123
    |||||||
DB 93 VNSLGRPAGRRAGGEGPAGLPTRFLIGDQFDSLPALEFFYKIHVLDTTTLEPVAR 152
    |||||||
QY 124 SRQSGSVILRQEAEEYVALDFPENGDEEDLPFKKDIILIRIDKPEQWMAEDSEGRGM 183
    |||||||
DB 153 SRQSGSVILRQEAEEYVALDFPENGDEEDLPFKKDIILIRIDKPEQWMAEDSEGRGM 212
    |||||||
QY 184 MTPVYVEKYRPASASVSLIGS 206
    |||||||
DB 213 MTPVYVEKYRPASASVSLIGS 235

RESULT 6
US-08-208-887A-39
; Sequence 39, Application US/08208887A
; Patent No. 5677421
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
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;; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
;; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
;; NUMBER OF SEQUENCES: 51
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: PENNIE & EDMONDS
;; STREET: 1155 Avenue of the Americas
;; CITY: New York
;; STATE: New York
;; COUNTRY: 10036-2711
;; ZIP: 10036-2711
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/208,887A
;; FILING DATE: 11-MAR-1994
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Coruzzi, Laura A.
;; REGISTRATION NUMBER: 30,742
;; REFERENCE/DOCKET NUMBER: 7683-063
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 790-9090
;; TELEFAX: (212) 869-9741/8864
;; TELEX: 66141 PENNIE
;; INFORMATION FOR SEQ ID NO: 39:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 236 amino acids
;; TYPE: amino acid
;; TOPOLOGY: unknown
;; MOLECULE TYPE: protein
;; US-08-208-887A-39

Query Match 46.6%; Score 807.5; DB 1; Length 236;
Best Local Similarity 76.4%; Pred. No. 1.8e-64;
Matches 155; Conservative 17; Mismatches 30; Indels 1; Gaps 1;

QY 5 AGNDSSEERSWYGRSLROEAVALLQGRHGVFLVRDSTSPGDYVLSVSENSRVSHYI 64
DB 33 AGQDSEDRGSMYGRSLRQDAVSLIQGRHGTFLVRDSTSPGDYVLSVSENSRVSHYI 92
QY 65 INSSGPRPPVPPSPAPQ-PPGVSPSRRLIGDOEFDLSLPALLEFYKIHLYLDTTLLIEPVAR 123
DB 93 VNSIGPAGGRAGGEGGAPGLNPTFLIGDQYFDSLPSLLEFYKIHLYLDTTLLIEPVSR 152
QY 124 SROGSGVILROEAEYVRLAFDFNGNDEEDLPFKKGDLIRIRKPEQOMNAEDSEKRG 183
DB 153 SROGSGVILROEAEYVRLAFDFKGNDDGDLPEFKKGDLIRKPEQOMNAEDMDGKRG 212
QY 184 MIPVPEYKRPASASVSLIGG 206
DB 213 MIPVPEYKCRPSSASVSTLTGG 235

RESULT 7
US-08-539-005-39
; Sequence 39, Application US/08539005
; Patent No. 5858686
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York

;; STATE: New York
;; COUNTRY: 10036-2711
;; ZIP: 10036-2711
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/539,005
;; FILING DATE: 4-OCT-1995
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/167,035
;; FILING DATE: 16-DEC-1993
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Coruzzi, Laura A.
;; REGISTRATION NUMBER: 30,742
;; REFERENCE/DOCKET NUMBER: 7683-062
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 790-9090
;; TELEFAX: (212) 869-9741/8864
;; TELEX: 66141 PENNIE
;; INFORMATION FOR SEQ ID NO: 39:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 236 amino acids
;; TYPE: amino acid
;; TOPOLOGY: unknown
;; MOLECULE TYPE: protein
;; US-08-539-005-39

Query Match 46.6%; Score 807.5; DB 2; Length 236;
Best Local Similarity 76.4%; Pred. No. 1.8e-64;
Matches 155; Conservative 17; Mismatches 30; Indels 1; Gaps 1;

QY 5 AGNDSSEERSWYGRSLROEAVALLQGRHGVFLVRDSTSPGDYVLSVSENSRVSHYI 64
DB 33 AGQDSEDRGSMYGRSLRQDAVSLIQGRHGTFLVRDSTSPGDYVLSVSENSRVSHYI 92
QY 65 INSSGPRPPVPPSPAPQ-PPGVSPSRRLIGDOEFDLSLPALLEFYKIHLYLDTTLLIEPVAR 123
DB 93 VNSIGPAGGRAGGEGGAPGLNPTFLIGDQYFDSLPSLLEFYKIHLYLDTTLLIEPVSR 152
QY 124 SROGSGVILROEAEYVRLAFDFNGNDEEDLPFKKGDLIRIRKPEQOMNAEDSEKRG 183
DB 153 SROGSGVILROEAEYVRLAFDFKGNDDGDLPEFKKGDLIRKPEQOMNAEDMDGKRG 212
QY 184 MIPVPEYKRPASASVSLIGG 206
DB 213 MIPVPEYKCRPSSASVSTLTGG 235

RESULT 8
US-08-167-035-25
; Sequence 25, Application US/08167035
; Patent No. 5618691
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711

Qy 76 PSPAQP-PCGVSPRLRIGDOEFDSPALIEFYKIHLYDTTLLIEPV 121
Db 61 AGGEGPAPGLNPTKFLIGDNVFDSPSLIEFYKIHLYDTTLLIEPV 107

RESULT 11
US-08-539-005-25
; Sequence 25, Application US/08539005
; Patent No. 5858686
; GENERAL INFORMATION:
; APPLICANT: Schlessler, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PC-DOS/MS-DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/539,005
; FILING DATE: 4-OCT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-6090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 107 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-539-005-25

Query Match 22.4%; Score 387.5; DB 2; Length 107;
Best Local Similarity 71.0%; Pred. No. 1.6e-27;
Matches 76; Conservative 10; Mismatches 20; Indels 1; Gaps 1;

Qy 16 WYWGRLSROEAVALLQGRHGVFLVRDSSSTSPGDYVLSVSENSRVSHYTIINSGPRPPV 75
Db 1 WYWGRLSRGDAVSLLOGQRHGTFLVRDSSGIPGDFVLSVSSSRVSHYIIVSLGPPAGRR 60

Qy 76 PSPAQP-PCGVSPRLRIGDOEFDSPALIEFYKIHLYDTTLLIEPV 121
Db 61 AGGEGPAPGLNPTKFLIGDNVFDSPSLIEFYKIHLYDTTLLIEPV 107

RESULT 12
US-08-446-038B-23
; Sequence 23, Application US/08446038B
; Patent No. 5658791
; GENERAL INFORMATION:

; APPLICANT: Wilks, Andrew F.; Ziemiacki, Andrew;
; APPLICANT: Harpur, Ailsa
; TITLE OF INVENTION: No. 5658791el Protein Tyrosine Kinase
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felte & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,038B
; FILING DATE: 19-MAY-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/064,067
; FILING DATE: 30-Jun-1993
; APPLICATION NUMBER: PCT/US91/08889
; FILING DATE: 26-No. 5658791-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: Australian PK3594/90
; FILING DATE: 28-No. 5658791-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: Australian 88229/91
; FILING DATE: 27-No. 5658791-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanson, No. 5658791man D.
; REGISTRATION NUMBER: 30,946
; REFERENCE/DOCKET NUMBER: LUD 5244
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-688-9200
; TELEFAX: 212-838-3884
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 89 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-446-038B-23

Query Match 20.1%; Score 348.5; DB 1; Length 89;
Best Local Similarity 66.0%; Pred. No. 3.6e-24;
Matches 70; Conservative 8; Mismatches 11; Indels 17; Gaps 1;

Qy 16 WYWGRLSROEAVALLQGRHGVFLVRDSSSTSPGDYVLSVSENSRVSHYTIINSGPRPPV 75
Db 1 WYWGRLSRGDAVSLLOGQRHGTFLVRDSSGIPGDFVLSVSSSRVSHYIIVSLG----- 54

Qy 76 PSPAQP-PCGVSPRLRIGDOEFDSPALIEFYKIHLYDTTLLIEPV 121
Db 55 -----PAGGRAGGEGFDSPSLIEFYKIHLYDTTLLIEPV 89

RESULT 13
US-08-446-010B-23
; Sequence 23, Application US/08446010B
; Patent No. 5716818
; GENERAL INFORMATION:
; APPLICANT: Wilks, Andrew F.; Ziemiacki, Andrew;
; APPLICANT: Harpur, Ailsa
; TITLE OF INVENTION: No. 5716818el Protein Tyrosine Kinase
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felte & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York

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: COUNTRY: USA
: ZIP: 10022
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
: COMPUTER: IBM PS/2
: OPERATING SYSTEM: PC-DOS
: SOFTWARE: Wordperfect
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/446,010B
: FILING DATE: 19-May-1995
: CLASSIFICATION: 433
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/446,038
: FILING DATE: 19-May-1995
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/064,067
: FILING DATE: 30-Jun-1993
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PCT/US91/08889
: FILING DATE: 26-No. 5716818-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: Australian PK3594/90
: FILING DATE: 28-No. 5716818-1990
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: Australian 88229/91
: FILING DATE: 27-No. 5716818-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Baer, Madeline F.
: REGISTRATION NUMBER: 36,437
: REFERENCE/DOCKET NUMBER: LUD 5244.3
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 212-688-9200
: TELEFAX: 212-838-3884
: INFORMATION FOR SEQ ID NO: 23:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 89 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
:
US-08-446-010B-23

Query Match      20.1%; Score 348.5; DB 1; Length 89;
Best Local Similarity 66.0%; Pred. No. 3.6e-24;
Matches 70; Conservative 8; Mismatches 11; Indels 17; Gaps 1;

QY      16 WYWGRLSROEAVALLQGRHGVLVNRDSTSPGDVYLSVSENSRVSHYIINSSGPRPPV 75
      |||||:|:|||||:|||||:|:|||||:|:|||||:|:|||||:|:|||||:|:|||||:|:
Db      1 WYWGRLSRGDAVSLDQGRHGTFLVRDGSIPGDVYLSVSSSRVSHYIVNSLG----- 54

QY      76 PSPAQPPGVSPSRRLRIGDQFDSLPALEFYKIHLYDTTLLIEPV 121
      |:| |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      55 -----PAGGRRAGEFDSLPLLEFYKIHLYDTTLLIEPV 89

RESULT 14
US-08-805-445-23
: Sequence 23, Application US/08805445
: Patent No. 5821069
: GENERAL INFORMATION:
: APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
: APPLICANT: Harput, Ailisa
: TITLE OF INVENTION: No. 5821069e1 Protein Tyrosine Kinase
: NUMBER OF SEQUENCES: 23
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Felte & Lynch
: STREET: 805 Third Avenue
: CITY: New York City
: STATE: New York
: COUNTRY: USA
: ZIP: 10022
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
: COMPUTER: IBM PS/2
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: OPERATING SYSTEM: PC-DOS
: SOFTWARE: Wordperfect
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/805,445
: FILING DATE: 25-FEB-1997
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/446,038
: FILING DATE: 19-MAY-1995
: APPLICATION NUMBER: 08/064,067
: FILING DATE: 30-Jun-1993
: APPLICATION NUMBER: PCT/US91/08889
: FILING DATE: 26-No. 5821069-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: Australian PK3594/90
: FILING DATE: 28-No. 5821069-1990
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: Australian 88229/91
: FILING DATE: 27-No. 5821069-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Hanson, No. 5821069man D.
: REGISTRATION NUMBER: 30,946
: REFERENCE/DOCKET NUMBER: LUD 5244
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 212-688-9200
: TELEFAX: 212-838-3884
: INFORMATION FOR SEQ ID NO: 23:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 89 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
:
US-08-805-445-23

Query Match      20.1%; Score 348.5; DB 2; Length 89;
Best Local Similarity 66.0%; Pred. No. 3.6e-24;
Matches 70; Conservative 8; Mismatches 11; Indels 17; Gaps 1;

QY      16 WYWGRLSROEAVALLQGRHGVLVNRDSTSPGDVYLSVSENSRVSHYIINSSGPRPPV 75
      |||||:|:|||||:|||||:|:|||||:|:|||||:|:|||||:|:|||||:|:|||||:|:
Db      1 WYWGRLSRGDAVSLDQGRHGTFLVRDGSIPGDVYLSVSSSRVSHYIVNSLG----- 54

QY      76 PSPAQPPGVSPSRRLRIGDQFDSLPALEFYKIHLYDTTLLIEPV 121
      |:| |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      55 -----PAGGRRAGEFDSLPLLEFYKIHLYDTTLLIEPV 89

RESULT 15
US-08-064-067D-23
: Sequence 23, Application US/08064067D
: Patent No. 5852184
: GENERAL INFORMATION:
: APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
: APPLICANT: Harput, Ailisa
: TITLE OF INVENTION: No. 5852184e1 Protein Tyrosine Kinase
: NUMBER OF SEQUENCES: 23
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Felte & Lynch
: STREET: 805 Third Avenue
: CITY: New York City
: STATE: New York
: COUNTRY: USA
: ZIP: 10022
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
: COMPUTER: IBM PS/2
: OPERATING SYSTEM: PC-DOS
: SOFTWARE: Wordperfect
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/064,067D
: FILING DATE: 30-Jun-1993
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PCT/US91/08889
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